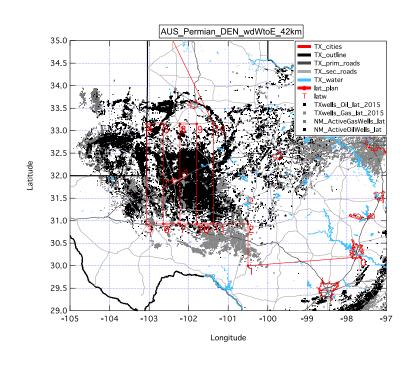
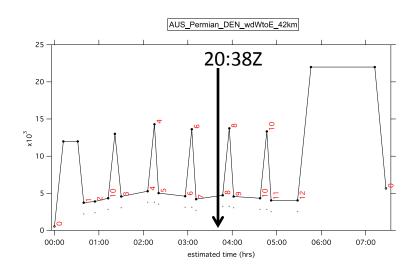
RAQMS 20150409 SONGNEX 30hr FX for 18Z April 09 (Permian Basin/Transit to Broomfield), 2015

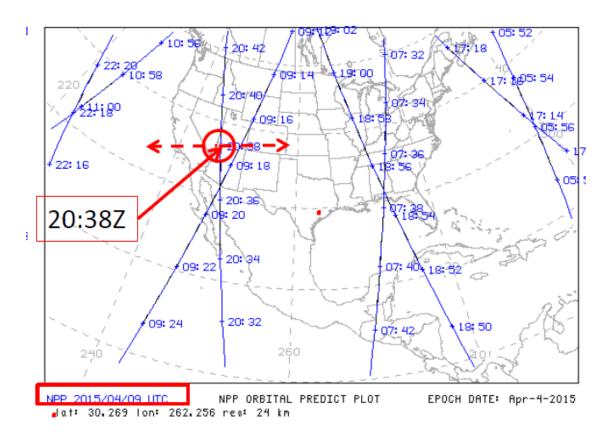




grndspeed= 115m/s, 224 knts

S-NPP (CrIS) overpass on 04/09 NUCAPS CO2, O3, CO, CH4 Validation Opportunity – *Eastern edge of swath*

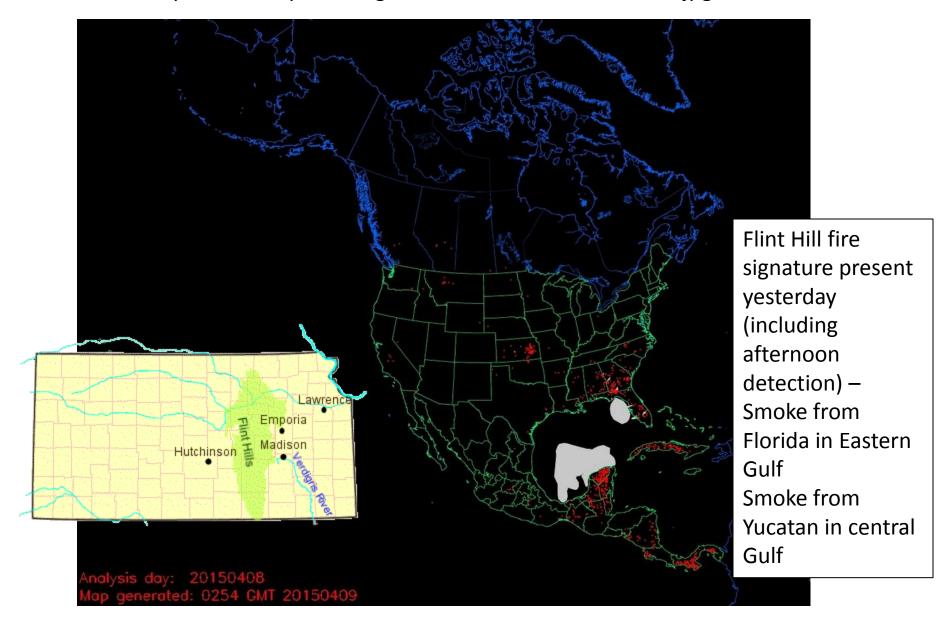
S-NPP overpass West of Broomfield at 20:38Z (2:38pm Mountain)



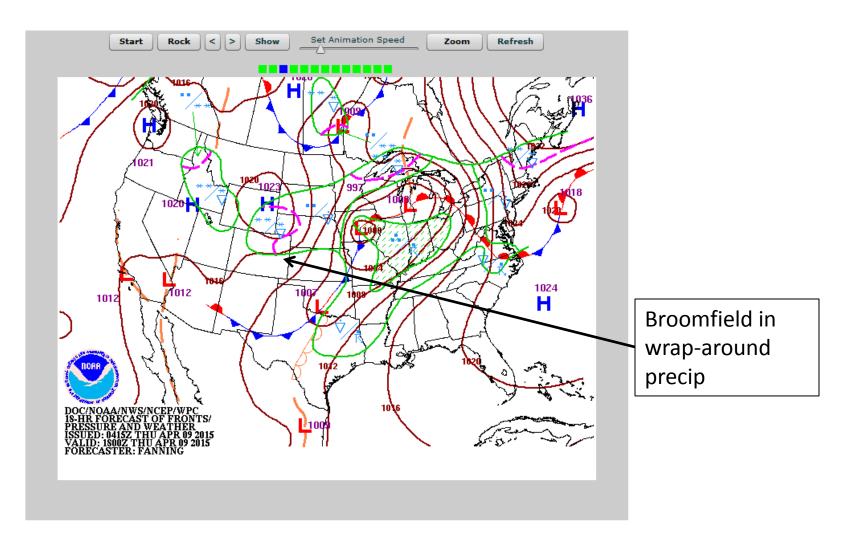
Approximate swath width

NESDIS Hazard Mapping System (HMS)

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg



36hr NCEP/WPC forecast valid 12Z 04/09/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

05km 0₃ 18Z 20150409

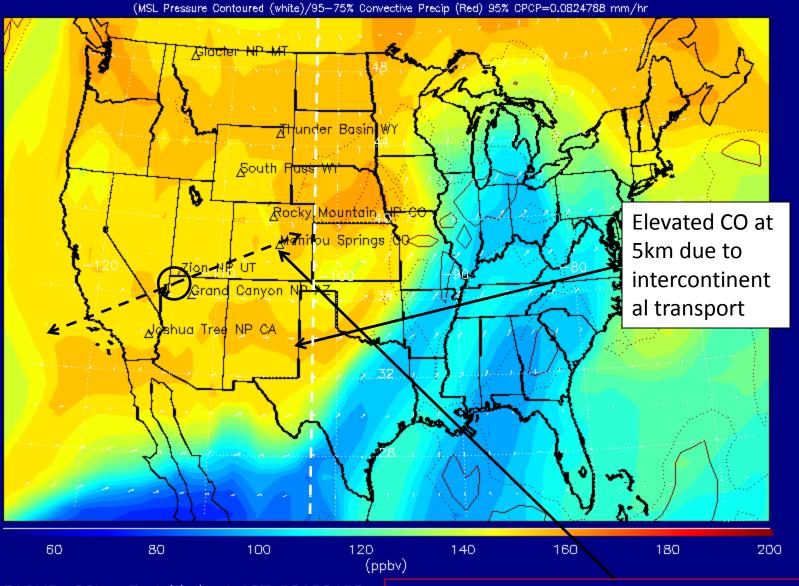
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.0824788 mm/hr under Basiñ South Fuss 0 Elevated O3 at 5km due to intercontinent al transport shua Tree NP CA and STE 20 30 40 50 60 70 80 (ppbv)

RAQMS_e 30hr Fx Initialized 12Z 20150408

Broomfield on Eastern edge of S-NPP swath

03km AGL CO

18Z 20150409

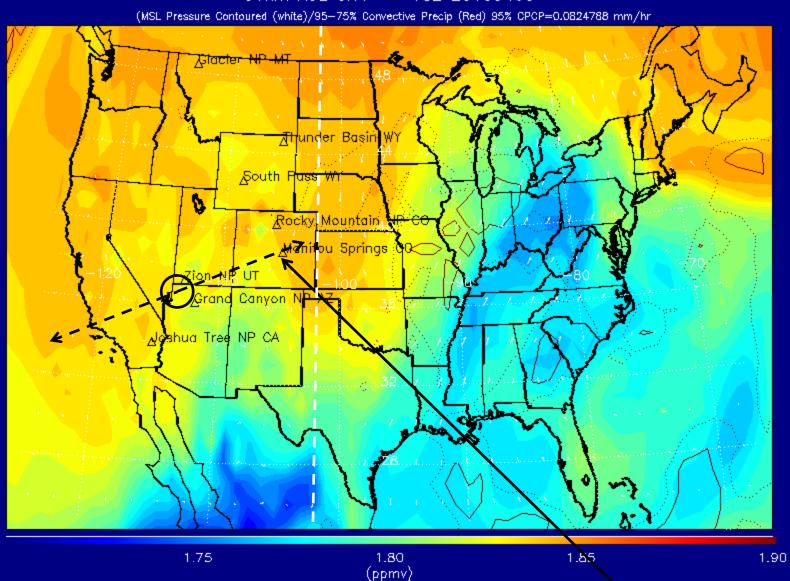


RAQMS_e 30hr Fx Initialized 12Z 20150408

Broomfield on Eastern edge of S-NPP swath

01km AGL CH4

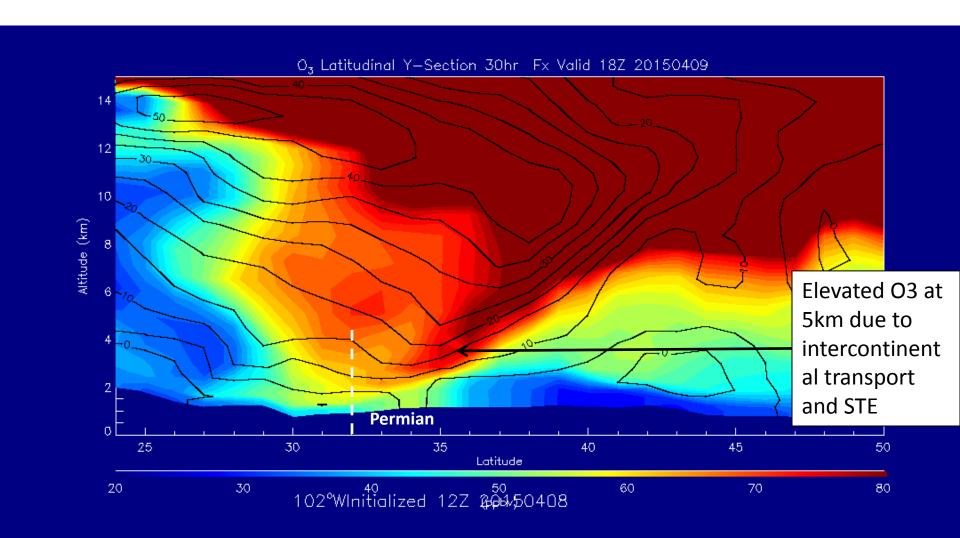
18Z 20150409



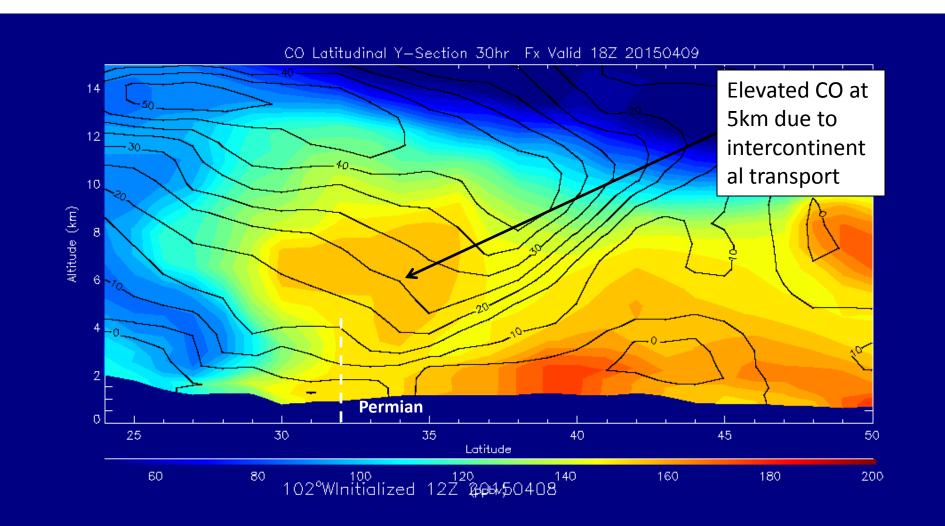
RAQMS_e 30hr Fx Initialized 12Z 20150408

Broomfield on Eastern edge of S-NPP swath

RAQMS 30hr FX O3 Cross-section at 102W (Permian Basin/Broomfield Transit)



RAQMS 30hr FX CO Cross-section at 102W (Permian Basin/Broomfield Transit)



RAQMS 30hr FX CH4 Cross-section at 102W (Permian Basin/Broomfield Transit)

